

10/537569

JC20 Rec'd PCT/PTO 03 JUN 2005

Docket No.: 12810-00093-US  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Jan Kurt Eberhardt et al.

Application No.: Not Yet Assigned

Confirmation No.: N/A

Filed: Concurrently Herewith

Art Unit: N/A

For: **N'-SUBSTITUTED N-ACYLMIDINE  
METAL TRANSITION COMPLEXES AND  
THEIR USE AS CATALYSTS**

Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement accompanies the new patent application submitted herewith.

A copy of each reference on the PTO/SB/08 is attached.

**IT IS NOTED THAT REFERENCE "CG" FU AND LITTKE IS CITED AT PAGE  
2, LINES 31-32 OF THE SPECIFICATION. IT IS NOTED THAT REFERENCE "CH"  
HERMANN ET AL IS CITED AT PAGE 3, LINES 4-6 OF THE SPECIFICATION.**

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The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this

application by this firm) to our Deposit Account No. 03-2775, under Order No. 12810-00093-US.

Respectfully submitted,

By

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PTO/SB/08a/b (08-03)

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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

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of

1

Completely Known 107537569	
Application Number	Not Yet Assigned
Filing Date	Concurrently Herewith
First Named Inventor	Jan Kurt Eberhardt
Art Unit	N/A
Examiner Name	Not Yet Assigned

Attorney Docket Number 12810-00093-US

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AA		US-5,703,269	12-30-1997	Herrmann et al.	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
BA		EP-0 719 758	07-03-1996	Hoechst AG	See US 5,703,269	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	Hiraki, K. et al., "Formation of N-imidoylimidatoruthenium(II) complexes via Ruthenium-Promoted Hydration of Nitriles", J. Chem. Soc., Dalton Trans. (1996), pp. 291-298.	
	CB	Hillier, A. C. et al., "Mini Review: Catalytic Cross-Coupling Reactions Mediated By Palladium/Nucleophilic Carbene Systems", Journal of Organometallic Chemistry 653 (2002), pp. 69-82.	
	CC	Buchmeiser, M. R. et al., "Bis(pyrimidine)-Based Palladium Catalysts: Synthesis, X-ray Structure and Applications in Heck-, Suzuki-, Sonogashira-Hagihara Couplings and Amination Reactions", Journal of Organometallic chemistry 634 (2001), pp. 39-46.	
	CD	Eberhardt, J. K. et al., "Unsaturated Hetero Chains, IX 1:1- and 2:1-Copper(II) Complexes From Primary N-Acylamides", Eur. J. Inorg. Chem (2000), pp. 1739-1743.	
	CE	Bart, J.C.J. et al., "Preparation and Crystal Structure of Bis-(benzoylbenzimidine)nickel(II)", Inorganica Chimica Acta, 28 (1978), pp. 201-210.	
	CF	Konakahara, T. et al., "Stereoselective Synthesis of trans-2-Aryl-3-(2-pyridyl)aziridines From An $\alpha$ -Silyl Carbanion", J. Chem. Soc., Perkins Trans. (1987), pp. 1489-1493.	
	CG	Fu and Littke, "Palladiumkatalysierte Kupplungen von Arylchloriden", Angew. Chem. (2002) Vol. 114, pages 4350-4386 .	
	CH	Herrmann, "N-Heterocyclische Carbene: ein neues Konzept in der metallorganischen Katalyse", Angew. Chem. (2002) Vol. 114, pages 1342-1363.	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Examiner Signature	Date Considered
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